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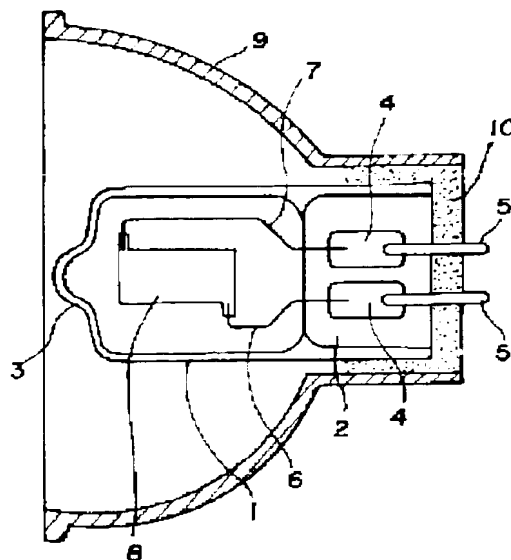
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TITLE : TUNGSTEN HALOGEN LAMP



ABSTRACT : PURPOSE: To simplify the structure, to make the manufacture easier, and to obtain a fuse function, by making the value D/d at a value within a specific range, where the size of a tungsten wire having the filament support function is denoted dmm , and the diameter of an inner lead member is denoted Dmm .

CONSTITUTION: As a filament, a tungsten wire with the diameter about 0.14mm, for example, is used, and it is formed in a double coil with the outer diameter about 3.6 to 4.0mm in the bulk volume, and the length 8mm. As an inner lead member, a tungsten wire with the diameter 0.28mm, for example, is used, and the second inner lead member 7 at the longer side runs parallel and close to the filament 8. As a result, the ratio D/d of the diameter Dmm of the inner lead member, and the size dmm of the tungsten wire is made into 2, which is within the scope of the specified value 1.8 to 2.1. Consequently, a halogen bulb for optical apparatus which is of a simple structure, can be manufactured easily, and has a fuse function, can be obtained.

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